

Refine Search

Search Results -

Terms	Documents
L1 and monitoring and components and (sub-components or subcomponents or sub adj components)	41

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L2

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Sunday, February 27, 2005 [Printable Copy](#) [Create Case](#)

Set
Name Query
side by side

Hit Set
Count Name
result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR

L2 L1 and monitoring and components and (sub-components or subcomponents or sub adj components)

41 L2

L1 "automation system"

5030 L1

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 41 of 41 returned.

1. Document ID: US 20050033453 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 41

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033453
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050033453 A1

TITLE: Controller with configurable connections between data processing components

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Coogan, James J.	Des Plaines	IL	US	
Seribo, Virgil	Deerfield	IL	US	

US-CL-CURRENT: 700/2; 700/42

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn De
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2. Document ID: US 20050010931 A1

L2: Entry 2 of 41

File: PGPB

Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050010931
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050010931 A1

TITLE: System and method for communicating between software applications,
particularly mes (manufacturing execution system) applications

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Langkafel, Dirk	Erlangen		DE	
Thurner, Elmar	Nurnberg		DE	

US-CL-CURRENT: 719/328

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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3. Document ID: US 20040267395 A1

L2: Entry 3 of 41

File: PGPB

Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040267395

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040267395 A1

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Discenzo, Frederick M.	Brecksville	OH	US	
Pai, Ramdas M.	Racine	WI	US	
Schaller, Gerald Peter	Madison	OH	US	
Roote, Michael Scott	Chesterland	OH	US	
Novak, Richard James	Avon	OH	US	
Jensen, David Lee	Barneveld	WI	US	
Ference, John Crandall	Cuyahoga Falls	OH	US	
Williams, Bennet Ray	Twinsburg	OH	US	

US-CL-CURRENT: 700/99, 700/108, 700/111, 702/182, 705/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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4. Document ID: US 20040260954 A1

L2: Entry 4 of 41

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260954

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260954 A1

TITLE: Biometrics PLC access and control system and method

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Morse, Carl P.	Milford	NH	US	

US-CL-CURRENT: 713/202

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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 5. Document ID: US 20040260557 A1

L2: Entry 5 of 41

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260557

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260557 A1

TITLE: System and method for voice output from an automation system

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Morse, Carl P.	Milford	NH	US	

US-CL-CURRENT: 704/272

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn D
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 6. Document ID: US 20040255291 A1

L2: Entry 6 of 41

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040255291

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040255291 A1

TITLE: Installing software using programmatic component dependency analysis

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sierer, Brian H.	Austin	TX	US	
Sommerville, Jason D.	Austin	TX	US	
Klemett, Kristofer J.	Austin	TX	US	
Salem, Narendrakumar U.	Austin	TX	US	
Wendland, Wesley N.	Pflugerville	TX	US	

US-CL-CURRENT: 717/174

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn D
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 7. Document ID: US 20040225952 A1

L2: Entry 7 of 41

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040225952

PGPUB-FILING-TYPE: new
 DOCUMENT-IDENTIFIER: US 20040225952 A1

TITLE: Architecture for distributed computing system and automated design, deployment, and management of distributed applications

PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brown, Mathilde C.	Seattle	WA	US	
Chase, Charlie D.	Woodinville	WA	US	
Grealish, Kevin	Seattle	WA	US	
Hunt, Galen C.	Bellevue	WA	US	
Hydrie, Aamer	Seattle	WA	US	
Noble, David	Redmond	WA	US	
Outhred, Geoffrey	Seattle	WA	US	
Peterson, Glenn R.	Kenmore	WA	US	
Tabbara, Bassam	Seattle	WA	US	
Torone, Alexander	Sammamsih	WA	US	
Welland, Robert V.	Seattle	WA	US	

US-CL-CURRENT: 714/819

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

8. Document ID: US 20040143830 A1

L2: Entry 8 of 41

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040143830
 PGPUB-FILING-TYPE: new
 DOCUMENT-IDENTIFIER: US 20040143830 A1

TITLE: Creation of application system installer

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gupton, Kyle P.	Austin	TX	US	
Fuller, David W. III	Austin	TX	US	
Sierer, Brian H.	Austin	TX	US	

US-CL-CURRENT: 717/174; 717/106, 717/120

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

9. Document ID: US 20040114557 A1

L2: Entry 9 of 41

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040114557
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040114557 A1

TITLE: Self coordinated machine network

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bryan, Roland F.	Santa Barbara	CA	US	
Harris, Mark P.	Santa Barbara	CA	US	
Kleveland, Chris T.	Santa Barbara	CA	US	

US-CL-CURRENT: 370/338

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

10. Document ID: US 20040102924 A1

L2: Entry 10 of 41

File: PGPB

May 27, 2004

PGPUB-DOCUMENT-NUMBER: 20040102924
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040102924 A1

TITLE: Decision support for operations and maintenance (DSOM) system

PUBLICATION-DATE: May 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jarrell, Donald B.	Kennewick	WA	US	
Meador, Richard J.	Richland	WA	US	
Sisk, Daniel R.	Richland	WA	US	
Hatley, Darrel D.	Kennewick	WA	US	
Brown, Daryl R.	Richland	WA	US	
Keibel, Gary R.	Richland	WA	US	
Gowri, Krishnan	Richland	WA	US	
Reyes-Spindola, Jorge F.	Richland	WA	US	
Adams, Kevin J.	San Bruno	CA	US	
Yates, Kenneth R.	Lake Oswego	OR	US	
Eschbach, Elizabeth J.	Fort Collins	CO	US	
Stratton, Rex C.	Richland	WA	US	

US-CL-CURRENT: 702/181

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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11. Document ID: US 20040095237 A1

L2: Entry 11 of 41

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040095237

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040095237 A1

TITLE: Electronic message delivery system utilizable in the monitoring and control of remote equipment and method of same

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chen, Kimball C.	New York	NY	US	
Evans, Alexander W.	New York	NY	US	
Shprecher, Daniel E.	Highland Lake	NJ	US	

US-CL-CURRENT: 340/506; 340/531

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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12. Document ID: US 20040004629 A1

L2: Entry 12 of 41

File: PGPB

Jan 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040004629

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040004629 A1

TITLE: System and methodology providing graphical objects in an industrial automation environment

PUBLICATION-DATE: January 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hamilton, Jeffrey L.	Cedarburg	WI	US	
Schlussman, Bret D.	New York	NY	US	

US-CL-CURRENT: 715/700

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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13. Document ID: US 20030061004 A1

L2: Entry 13 of 41

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030061004
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030061004 A1

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Discenzo, Frederick M.	Brecksville	OH	US	

US-CL-CURRENT: 702/182

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

14. Document ID: US 20030028852 A1

L2: Entry 14 of 41 File: PGPB Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028852
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030028852 A1

TITLE: Meta-routing tool for a measurement system

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	
Carbonell, Jeff A.	Austin	TX	US	

US-CL-CURRENT: 716/12

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

15. Document ID: US 20030023874 A1

L2: Entry 15 of 41 File: PGPB Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030023874
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030023874 A1

TITLE: System for integrating security and access for facilities and information systems

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Prokupets, Rudy	Rochester	NY	US	
Regelski, Michael	Rochester	NY	US	

US-CL-CURRENT: 713/201

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

16. Document ID: US 20030005155 A1

L2: Entry 16 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005155

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005155 A1

TITLE: Dynamic routing for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Carbonell, Jeff A.	Austin	TX	US	
Thurman, Robert W.	Austin	TX	US	

US-CL-CURRENT: 709/239

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

17. Document ID: US 20030005154 A1

L2: Entry 17 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005154

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005154 A1

TITLE: Shared routing in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	

US-CL-CURRENT: 709/239; 702/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Dra
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18. Document ID: US 20030005153 A1

L2: Entry 18 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005153

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005153 A1

TITLE: Dynamic routing for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Carbonell, Jeff A.	Austin	TX	US	

US-CL-CURRENT: 709/239

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Dra
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19. Document ID: US 20030004675 A1

L2: Entry 19 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004675

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004675 A1

TITLE: Routing with signal modifiers in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	
Carbonell, Jeff A.	Austin	TX	US	

US-CL-CURRENT: 702/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Dra
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20. Document ID: US 20030004674 A1

L2: Entry 20 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004674

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004674 A1

TITLE: Shared routing in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	
Carbonell, Jeff A.	Austin	TX	US	

US-CL-CURRENT: 702/123

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KWMC](#) [Drawn D](#)

21. Document ID: US 20030004673 A1

L2: Entry 21 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004673

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004673 A1

TITLE: Routing with signal modifiers in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	

US-CL-CURRENT: 702/123

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KWMC](#) [Drawn D](#)

22. Document ID: US 20030004672 A1

L2: Entry 22 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004672

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004672 A1

TITLE: Meta-routing tool for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	

US-CL-CURRENT: 702/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D.
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 23. Document ID: US 20020183996 A1

L2: Entry 23 of 41

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183996

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020183996 A1

TITLE: Computer aided design method and system for developing a microfluidic system

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Michael	Lake Oswego	OR	US	
Worthington, Gajus	Portola Valley	CA	US	

US-CL-CURRENT: 703/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D.
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 24. Document ID: US 20020108097 A1

L2: Entry 24 of 41

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020108097

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020108097 A1

TITLE: Object oriented microfluidic design method and system

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Harris, Gregory	Longmont	CO	US	
Montgomery, James	Longmont	CO	US	
Lee, Michael	Lake Oswego	OR	US	
Worthington, Gajus	Portola Valley	CA	US	

US-CL-CURRENT: 716/11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D.
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 25. Document ID: US 20020108096 A1

L2: Entry 25 of 41

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020108096
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020108096 A1

TITLE: Microfluidic design automation method and system

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Michael	Lake Oswego	OR	US	
Worthington, Gajus	Portola Valley	CA	US	
Harris, Gregory	Longmont	CO	US	
Montgomery, James	Longmont	CO	US	

US-CL-CURRENT: 716/11; 716/12

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

26. Document ID: US 20020059050 A1

L2: Entry 26 of 41

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059050
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020059050 A1

TITLE: System having a model-based user interface for operating and monitoring a device and a method therefor

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hamadou, Mehdi	Erlangen		DE	
Hoffmann, Werner	Herzogenaurach		DE	
Meixner, Josef	Erlangen		DE	

US-CL-CURRENT: 703/13

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

27. Document ID: US 6854072 B1

L2: Entry 27 of 41

File: USPT

Feb 8, 2005

US-PAT-NO: 6854072
DOCUMENT-IDENTIFIER: US 6854072 B1

TITLE: High availability file server for providing transparent access to all data before and after component failover

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cagle; Robert Penn	Claremont	CA		
McEvoy; Patrick J.	Palo Alto	CA		
Sheehan; Kevin Sean	Sunnyvale	CA		

US-CL-CURRENT: 714/15; 709/203, 714/1, 714/6

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D.](#)

28. Document ID: US 6847854 B2

L2: Entry 28 of 41

File: USPT

Jan 25, 2005

US-PAT-NO: 6847854

DOCUMENT-IDENTIFIER: US 6847854 B2

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

DATE-ISSUED: January 25, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Discenzo; Frederick M.	Brecksville	OH		

US-CL-CURRENT: 700/99; 700/28, 700/36, 700/90, 705/8

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D.](#)

29. Document ID: US 6829753 B2

L2: Entry 29 of 41

File: USPT

Dec 7, 2004

US-PAT-NO: 6829753

DOCUMENT-IDENTIFIER: US 6829753 B2

TITLE: Microfluidic design automation method and system

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Michael	Lake Oswego	OR		
Worthington; Gajus	Portola Valley	CA		

Harris; Gregory	Longmont	CO
Montgomery; James	Longmont	CO

US-CL-CURRENT: 716/5; 716/1[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

 30. Document ID: US 6559860 B1

L2: Entry 30 of 41

File: USPT

May 6, 2003

US-PAT-NO: 6559860

DOCUMENT-IDENTIFIER: US 6559860 B1

TITLE: Method and apparatus for joining and manipulating graphical objects in a graphical user interface

DATE-ISSUED: May 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamilton; Jeffrey L.	Cedarburg	WI		
Schlussman; Bret D.	New York	NY		

US-CL-CURRENT: 715/700; 345/619, 345/649, 715/848, 715/964[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

 31. Document ID: US 6366293 B1

L2: Entry 31 of 41

File: USPT

Apr 2, 2002

US-PAT-NO: 6366293

DOCUMENT-IDENTIFIER: US 6366293 B1

TITLE: Method and apparatus for manipulating and displaying graphical objects in a computer display device

DATE-ISSUED: April 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamilton; Jeffrey L.	Cedarburg	WI		
Schlussman; Bret D.	New York	NY		

US-CL-CURRENT: 345/649; 345/420, 345/650, 345/652, 700/263, 703/7[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

32. Document ID: US 6362839 B1

L2: Entry 32 of 41

File: USPT

Mar 26, 2002

US-PAT-NO: 6362839

DOCUMENT-IDENTIFIER: US 6362839 B1

TITLE: Method and apparatus for displaying mechanical emulation with graphical objects in an object oriented computing environment

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamilton; Jeffrey L.	Cedarburg	WI		
Schlussman; Bret D.	New York	NY		

US-CL-CURRENT: 715/764; 345/418, 715/700, 715/769[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D.](#)

 33. Document ID: US 6198906 B1

L2: Entry 33 of 41

File: USPT

Mar 6, 2001

US-PAT-NO: 6198906

DOCUMENT-IDENTIFIER: US 6198906 B1

TITLE: Method and apparatus for performing broadcast operations

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boetje; Gerard J.	San Ramon	CA		
Collier; David C.	Gilroy	CA		

US-CL-CURRENT: 455/3.01; 348/722, 705/7[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D.](#)

 34. Document ID: US 6091407 A

L2: Entry 34 of 41

File: USPT

Jul 18, 2000

US-PAT-NO: 6091407

DOCUMENT-IDENTIFIER: US 6091407 A

TITLE: Method and apparatus for manifesting representations of scheduled elements in a broadcast environment

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boetje; Gerard J.	San Ramon	CA		
Collier; David C.	Gilroy	CA		

US-CL-CURRENT: 715/721; 348/722, 715/771

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

35. Document ID: US 6067525 A

L2: Entry 35 of 41

File: USPT

May 23, 2000

US-PAT-NO: 6067525

DOCUMENT-IDENTIFIER: US 6067525 A

TITLE: Integrated computerized sales force automation system

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johnson; Jerome Dale	North Mankato	MN		
Lundberg; David Robert	Mankato	MN		
Krebsbach; Michael Paul	Aerdenhout			NL

US-CL-CURRENT: 705/10

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

36. Document ID: US 6049332 A

L2: Entry 36 of 41

File: USPT

Apr 11, 2000

US-PAT-NO: 6049332

DOCUMENT-IDENTIFIER: US 6049332 A

TITLE: Method and apparatus for the scheduling and ordering of elements in a multimedia environment

DATE-ISSUED: April 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boetje; Gerard J.	San Ramon	CA		
Collier; David C.	Gilroy	CA		

US-CL-CURRENT: 715/721; 345/6, 715/855

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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37. Document ID: US 5272805 A

L2: Entry 37 of 41

File: USPT

Dec 28, 1993

US-PAT-NO: 5272805

DOCUMENT-IDENTIFIER: US 5272805 A

TITLE: System for the flexible assembly of assemblies

DATE-ISSUED: December 28, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Akeel; Hadi A.	Rochester Hills	MI		
Hautau; Lane A.	Utica	MI		

US-CL-CURRENT: 29/712; 29/771, 29/791

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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38. Document ID: US 5239739 A

L2: Entry 38 of 41

File: USPT

Aug 31, 1993

US-PAT-NO: 5239739

DOCUMENT-IDENTIFIER: US 5239739 A

TITLE: Method for the flexible assembly of assemblies

DATE-ISSUED: August 31, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Akeel; Hadi A.	Rochester Hills	MI		
Hautau; Lane A.	Utica	MI		

US-CL-CURRENT: 29/430; 29/466, 29/469, 29/712

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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39. Document ID: US 4931402 A

L2: Entry 39 of 41

File: USPT

Jun 5, 1990

US-PAT-NO: 4931402

DOCUMENT-IDENTIFIER: US 4931402 A

TITLE: Photometric analysis equipment

DATE-ISSUED: June 5, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Abplanalp; Heinz	Hombrechtikon			CH

US-CL-CURRENT: 435/287.3; 356/244, 422/63

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawn D](#)

40. Document ID: US 4576286 A

L2: Entry 40 of 41

File: USPT

Mar 18, 1986

US-PAT-NO: 4576286

DOCUMENT-IDENTIFIER: US 4576286 A

TITLE: Parts sorting systems

DATE-ISSUED: March 18, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Buckley; Bruce S.	San Jose	CA		
Buckley; Edward M.	Milpitas	CA		
Reichwein; Roy H.	San Jose	CA		

US-CL-CURRENT: 209/558; 209/571, 209/576, 209/590, 367/87, 367/902, 367/96

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawn D](#)

41. Document ID: US 4497031 A

L2: Entry 41 of 41

File: USPT

Jan 29, 1985

US-PAT-NO: 4497031

DOCUMENT-IDENTIFIER: US 4497031 A

TITLE: Direct digital control apparatus for automated monitoring and control of building systems

DATE-ISSUED: January 29, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Froehling; Paul H.	Franklin	WI		
Anders; Jude R.	Glendale	WI		
Strojny; Lawrence J.	Muskego	WI		

Rehberger; James M.

Caledonia WI

US-CL-CURRENT: 700/276; 165/212, 165/249[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Bkwd Refs](#) | [Generate OACS](#)

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Hoffmann, W.; Peterson, K.; Stefanopoulou, A.G.;
Control Systems Technology, IEEE Transactions on , Volume: 11 , Issue: 2 , May 2003
Pages: 174 - 184

[Abstract] [PDF Full-Text (699KB)] IEEE JNL

2 Establishing a rule base for a hybrid ES/XPS approach to load management

Gaul, A.J.; Handschin, E.; Hoffmann, W.; Lehmkoster, C.;
Power Systems, IEEE Transactions on , Volume: 13 , Issue: 1 , Feb. 1998
Pages: 86 - 93

[Abstract] [PDF Full-Text (736KB)] IEEE JNL

3 A new method of excitation control based on fuzzy set theory

Handschin, E.; Hoffmann, W.; Reyer, F.; Stephanblome, T.; Schlucking, U.; Westermann, D.; Ahmed, S.S.;
Power Systems, IEEE Transactions on , Volume: 9 , Issue: 1 , Feb. 1994
Pages: 533 - 539

[Abstract] [PDF Full-Text (552KB)] IEEE JNL

4 Knowledge based alarm handling and fault location in distribution networks

Eickhoff, F.; Handschin, E.; Hoffmann, W.;
Power Systems, IEEE Transactions on , Volume: 7 , Issue: 2 , May 1992
Pages: 770 - 776

[Abstract] [PDF Full-Text (564KB)] IEEE JNL

5 A new generation of industrial crystalline silicon solar cells based on OECO technology

Hezel, R.; Hoffmann, W.;

Photovoltaic Energy Conversion, 2003. Proceedings of 3rd World Conference c ,Volume: 2 , 12-16 May 2003
Pages:1399 - 1402 Vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(484KB\)\]](#) [IEEE CNF](#)

6 Numerical and experimental methods for further development of deep-body hyperthermia

Nadobny, J.; Włodarczyk, W.; Wust, P.; Beck, R.; Hoffmann, W.;
Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd Annual International Conference of the IEEE ,Volume: 3 , 23-28 July 2000
Pages:1979 - 1982 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(428KB\)\]](#) [IEEE CNF](#)

7 Development of 3-D phased array applicator for deep-body hyperthermia: FDTD modeling and experimental verification

Nadobny, J.; Włodarczyk, W.; Hoffmann, W.; Wust, P.;
Antennas and Propagation Society International Symposium, 2000. IEEE ,Vol 2 , 16-21 July 2000
Pages:1072 - 1075 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(188KB\)\]](#) [IEEE CNF](#)

8 Evolutionary strategies applied for an optimal management of electrical loads

Gaul, A.J.; Handschin, E.; Hoffmann, W.;
Intelligent Systems Applications to Power Systems, 1996. Proceedings, ISAP ' International Conference on , 28 Jan.-2 Feb. 1996
Pages:368 - 372

[\[Abstract\]](#) [\[PDF Full-Text \(384KB\)\]](#) [IEEE CNF](#)

9 Step by step from specification to realization of an electrochemical microsystem

Suss, W.; Lindemann, K.; Eggert, H.; Gorges-Schleuter, M.; Jakob, W.; Hoffmann, W.; Rapp, R.;
European Design and Test Conference, 1996. ED&TC 96. Proceedings , 11-14 March 1996
Pages:533 - 537

[\[Abstract\]](#) [\[PDF Full-Text \(884KB\)\]](#) [IEEE CNF](#)

10 Iterative learning control of electromechanical camless valve actuators

Hoffmann, W.; Stefanopoulou, A.G.;
American Control Conference, 2001. Proceedings of the 2001 ,Volume: 4 , 25 June 2001
Pages:2860 - 2866 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(520KB\)\]](#) [IEEE CNF](#)

11 Integrated Microanalytical System With Electrochemical Detection

Hoffmann, W.; Rapp, R.;

Solid-State Sensors and Actuators, 1995 and Eurosensors IX. Transducers '95
8th International Conference on ,Volume: 2 , June 25-29, 1995
Pages:955 - 958

[Abstract] [PDF Full-Text (720KB)] IEEE CNF

12 A new method of excitation control based on fuzzy set theory

Handschin, E.; Hoffmann, W.; Reyer, F.; Stephanblome, T.; Schlucking, U.; Westermann, D.; Ahmed, S.S.;

Power Industry Computer Application Conference, 1993. Conference Proceedings , 4-7 May 1993

Pages:34 - 40

[Abstract] [PDF Full-Text (552KB)] IEEE CNF

13 Performance of bifacial MIS-inversion layer solar cells encapsulated novel albedo collecting modules

Jaeger, K.; Bende, G.; Hoffmann, W.; Hezel, R.;

Photovoltaic Specialists Conference, 1993., Conference Record of the Twenty IEEE , 10-14 May 1993

Pages:1235 - 1239

[Abstract] [PDF Full-Text (400KB)] IEEE CNF

14 PWM inverter for parallel operation as high quality AC source in telecommunication

Hoffmann, W.; Bugyi, R.; Szumowski, P.;

Telecommunications Energy Conference, 1993. INTELEC '93. 15th International ,Volume: 1 , 27-30 Sept. 1993

Pages:420 - 423 vol.1

[Abstract] [PDF Full-Text (240KB)] IEEE CNF

15 Knowledge based alarm handling and fault location in distribution networks

Eickhoff, F.; Handschin, E.; Hoffmann, W.;

Power Industry Computer Application Conference, 1991. Conference Proceedings , 7-10 May 1991

Pages:358 - 364

[Abstract] [PDF Full-Text (564KB)] IEEE CNF

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File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033453

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050033453 A1

TITLE: Controller with configurable connections between data processing components

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Coogan, James J.	Des Plaines	IL	US	
Seribo, Virgil	Deerfield	IL	US	

US-CL-CURRENT: 700/2; 700/42

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KOMC](#) [Drawn D.](#)

2. Document ID: US 20050010931 A1

L3: Entry 2 of 59

File: PGPB

Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050010931

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050010931 A1

TITLE: System and method for communicating between software applications,
particularly mes (manufacturing execution system) applications

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Langkafel, Dirk	Erlangen		DE	
Thurner, Elmar	Nurnberg		DE	

US-CL-CURRENT: 719/328

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D.
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PGPUB-DOCUMENT-NUMBER: 20040267395

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040267395 A1

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Discenzo, Frederick M.	Brecksville	OH	US	
Pai, Ramdas M.	Racine	WI	US	
Schaller, Gerald Peter	Madison	OH	US	
Roote, Michael Scott	Chesterland	OH	US	
Novak, Richard James	Avon	OH	US	
Jensen, David Lee	Barneveld	WI	US	
Ference, John Crandall	Cuyahoga Falls	OH	US	
Williams, Bennet Ray	Twinsburg	OH	US	

US-CL-CURRENT: 700/99, 700/108, 700/111, 702/182, 705/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D.
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 4. Document ID: US 20040260954 A1

L3: Entry 4 of 59

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260954

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260954 A1

TITLE: Biometrics PLC access and control system and method

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Morse, Carl P.	Milford	NH	US	

US-CL-CURRENT: 713/202

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D.
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 5. Document ID: US 20040260557 A1

L3: Entry 5 of 59

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260557

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260557 A1

TITLE: System and method for voice output from an automation system

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Morse, Carl P.	Milford	NH	US	

US-CL-CURRENT: 704/272

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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 6. Document ID: US 20040260538 A1

L3: Entry 6 of 59

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260538

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260538 A1

TITLE: System and method for voice input to an automation system

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Morse, Carl P.	Milford	NH	US	

US-CL-CURRENT: 704/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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 7. Document ID: US 20040255291 A1

L3: Entry 7 of 59

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040255291

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040255291 A1

TITLE: Installing software using programmatic component dependency analysis

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sierer, Brian H.	Austin	TX	US	
Sommerville, Jason D.	Austin	TX	US	
Klemett, Kristofer J.	Austin	TX	US	
Salem, Narendrakumar U.	Austin	TX	US	
Wendland, Wesley N.	Pflugerville	TX	US	

US-CL-CURRENT: 717/174

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D
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8. Document ID: US 20040225952 A1

L3: Entry 8 of 59

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040225952

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040225952 A1

TITLE: Architecture for distributed computing system and automated design, deployment, and management of distributed applications

PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brown, Mathilde C.	Seattle	WA	US	
Chase, Charlie D.	Woodinville	WA	US	
Grealish, Kevin	Seattle	WA	US	
Hunt, Galen C.	Bellevue	WA	US	
Hydrie, Aamer	Seattle	WA	US	
Noble, David	Redmond	WA	US	
Outhred, Geoffrey	Seattle	WA	US	
Peterson, Glenn R.	Kenmore	WA	US	
Tabbara, Bassam	Seattle	WA	US	
Torone, Alexander	Sammamsih	WA	US	
Welland, Robert V.	Seattle	WA	US	

US-CL-CURRENT: 714/819

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D
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9. Document ID: US 20040143830 A1

L3: Entry 9 of 59

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040143830
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040143830 A1

TITLE: Creation of application system installer

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gupton, Kyle P.	Austin	TX	US	
Fuller, David W. III	Austin	TX	US	
Sierer, Brian H.	Austin	TX	US	

US-CL-CURRENT: 717/174; 717/106, 717/120

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#)

10. Document ID: US 20040114557 A1

L3: Entry 10 of 59

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040114557
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040114557 A1

TITLE: Self coordinated machine network

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bryan, Roland F.	Santa Barbara	CA	US	
Harris, Mark P.	Santa Barbara	CA	US	
Kleveland, Chris T.	Santa Barbara	CA	US	

US-CL-CURRENT: 370/338

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#)

11. Document ID: US 20040111166 A1

L3: Entry 11 of 59

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040111166
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040111166 A1

TITLE: Automation system

PUBLICATION-DATE: June 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jartyn, Hermann	Igensdorf		DE	

US-CL-CURRENT: 700/2; 700/86

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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12. Document ID: US 20040102924 A1

L3: Entry 12 of 59

File: PGPB

May 27, 2004

PGPUB-DOCUMENT-NUMBER: 20040102924

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040102924 A1

TITLE: Decision support for operations and maintenance (DSOM) system

PUBLICATION-DATE: May 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Jarrell, Donald B.	Kennewick	WA	US	
Meador, Richard J.	Richland	WA	US	
Sisk, Daniel R.	Richland	WA	US	
Hatley, Darrel D.	Kennewick	WA	US	
Brown, Daryl R.	Richland	WA	US	
Keibel, Gary R.	Richland	WA	US	
Gowri, Krishnan	Richland	WA	US	
Reyes-Spindola, Jorge F.	Richland	WA	US	
Adams, Kevin J.	San Bruno	CA	US	
Yates, Kenneth R.	Lake Oswego	OR	US	
Eschbach, Elizabeth J.	Fort Collins	CO	US	
Stratton, Rex C.	Richland	WA	US	

US-CL-CURRENT: 702/181

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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13. Document ID: US 20040095237 A1

L3: Entry 13 of 59

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040095237

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040095237 A1

TITLE: Electronic message delivery system utilizable in the monitoring and control of remote equipment and method of same

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chen, Kimball C.	New York	NY	US	
Evans, Alexander W.	New York	NY	US	
Shprecher, Daniel E.	Highland Lake	NJ	US	

US-CL-CURRENT: 340/506; 340/531

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

14. Document ID: US 20040024673 A1

L3: Entry 14 of 59

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040024673

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040024673 A1

TITLE: Method for optimizing the allocation of resources based on market and technology considerations

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Huettl, Bernd-Josef M.	Ridgefield	CT	US	
Doerre, George W.	Poughkeepsie	NY	US	

US-CL-CURRENT: 705/36

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

15. Document ID: US 20040004629 A1

L3: Entry 15 of 59

File: PGPB

Jan 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040004629

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040004629 A1

TITLE: System and methodology providing graphical objects in an industrial automation environment

PUBLICATION-DATE: January 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hamilton, Jeffrey L.	Cedarburg	WI	US	
Schlussman, Bret D.	New York	NY	US	

US-CL-CURRENT: 715/700

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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16. Document ID: US 20030061238 A1

L3: Entry 16 of 59

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030061238

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030061238 A1

TITLE: Product configuration method and system

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Atkinson, Shane A.	Lewisburg	TN	US	

US-CL-CURRENT: 707/104.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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17. Document ID: US 20030061004 A1

L3: Entry 17 of 59

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030061004

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030061004 A1

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Discenzo, Frederick M.	Brecksville	OH	US	

US-CL-CURRENT: 702/182

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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18. Document ID: US 20030028852 A1

L3: Entry 18 of 59

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028852

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030028852 A1

TITLE: Meta-routing tool for a measurement system

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	
Carbonell, Jeff A.	Austin	TX	US	

US-CL-CURRENT: 716/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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 19. Document ID: US 20030023874 A1

L3: Entry 19 of 59

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030023874

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030023874 A1

TITLE: System for integrating security and access for facilities and information systems

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Prokupets, Rudy	Rochester	NY	US	
Regelski, Michael	Rochester	NY	US	

US-CL-CURRENT: 713/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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 20. Document ID: US 20030005155 A1

L3: Entry 20 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005155

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005155 A1

TITLE: Dynamic routing for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Carbonell, Jeff A.	Austin	TX	US	
Thurman, Robert W.	Austin	TX	US	

US-CL-CURRENT: 709/239

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D
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21. Document ID: US 20030005154 A1

L3: Entry 21 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005154

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005154 A1

TITLE: Shared routing in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	

US-CL-CURRENT: 709/239; 702/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D
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22. Document ID: US 20030005153 A1

L3: Entry 22 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005153

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005153 A1

TITLE: Dynamic routing for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Carbonell, Jeff A.	Austin	TX	US	

US-CL-CURRENT: 709/239

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawn D.
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23. Document ID: US 20030004675 A1

L3: Entry 23 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004675

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004675 A1

TITLE: Routing with signal modifiers in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	
Carbonell, Jeff A.	Austin	TX	US	

US-CL-CURRENT: 702/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawn D.
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24. Document ID: US 20030004674 A1

L3: Entry 24 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004674

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004674 A1

TITLE: Shared routing in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	
Carbonell, Jeff A.	Austin	TX	US	

US-CL-CURRENT: 702/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawn D.
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25. Document ID: US 20030004673 A1

L3: Entry 25 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004673
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030004673 A1

TITLE: Routing with signal modifiers in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	

US-CL-CURRENT: 702/123

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

26. Document ID: US 20030004672 A1

L3: Entry 26 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004672
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030004672 A1

TITLE: Meta-routing tool for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thurman, Robert W.	Austin	TX	US	

US-CL-CURRENT: 702/123

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

27. Document ID: US 20020194315 A1

L3: Entry 27 of 59

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020194315
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020194315 A1

TITLE: Device and method for linking automation components

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gollwitzer, Dieter	Postbauer-Heng		DE	

Kulzer, Heinrich	Nurnberg	DE
List, Stefan	Furth	DE
Macher, Andreas	Neumarkt	DE
Marwitz, Josef Portner-von-der	Nurnberg	DE

US-CL-CURRENT: 709/220

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

 28. Document ID: US 20020183996 A1

L3: Entry 28 of 59

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183996

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020183996 A1

TITLE: Computer aided design method and system for developing a microfluidic system

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Michael	Lake Oswego	OR	US	
Worthington, Gajus	Portola Valley	CA	US	

US-CL-CURRENT: 703/9

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

 29. Document ID: US 20020108097 A1

L3: Entry 29 of 59

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020108097

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020108097 A1

TITLE: Object oriented microfluidic design method and system

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Harris, Gregory	Longmont	CO	US	
Montgomery, James	Longmont	CO	US	
Lee, Michael	Lake Oswego	OR	US	
Worthington, Gajus	Portola Valley	CA	US	

US-CL-CURRENT: 716/11

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

30. Document ID: US 20020108096 A1

L3: Entry 30 of 59

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020108096

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020108096 A1

TITLE: Microfluidic design automation method and system

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Michael	Lake Oswego	OR	US	
Worthington, Gajus	Portola Valley	CA	US	
Harris, Gregory	Longmont	CO	US	
Montgomery, James	Longmont	CO	US	

US-CL-CURRENT: 716/11; 716/12

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

31. Document ID: US 20020082720 A1

L3: Entry 31 of 59

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020082720

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020082720 A1

TITLE: Automation system

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Birzer, Johannes	Stulln		DE	
Kiesel, Martin	Poxdorf		DE	
Trummer, Georg	Erlangen		DE	
Wagner, Peter	Hersbruck		DE	

US-CL-CURRENT: 700/18; 700/117, 700/19, 700/20, 700/96

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

32. Document ID: US 20020059050 A1

L3: Entry 32 of 59

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059050

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059050 A1

TITLE: System having a model-based user interface for operating and monitoring a device and a method therefor

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hamadou, Mehdi	Erlangen		DE	
Hoffmann, Werner	Herzogenaurach		DE	
Meixner, Josef	Erlangen		DE	

US-CL-CURRENT: 703/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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 33. Document ID: US 20010037436 A1

L3: Entry 33 of 59

File: PGPB

Nov 1, 2001

PGPUB-DOCUMENT-NUMBER: 20010037436

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010037436 A1

TITLE: Programmable controller which operates by means of data management using network computers and method for operating a programmable controller

PUBLICATION-DATE: November 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Blumenstock, Werner	Weisendorf		DE	

US-CL-CURRENT: 711/154; 714/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Drawn D
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 34. Document ID: US 6859913 B2

L3: Entry 34 of 59

File: USPT

Feb 22, 2005

US-PAT-NO: 6859913

DOCUMENT-IDENTIFIER: US 6859913 B2

TITLE: Representing a simulation model using a hardware configuration database

DATE-ISSUED: February 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fennell; Timothy J.	Holliston	MA		
Wheeler; William R.	Southborough	MA		

US-CL-CURRENT: 716/4; 703/14, 716/18

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMD](#) | [Drawn D.](#)

35. Document ID: US 6854072 B1

L3: Entry 35 of 59

File: USPT

Feb 8, 2005

US-PAT-NO: 6854072

DOCUMENT-IDENTIFIER: US 6854072 B1

TITLE: High availability file server for providing transparent access to all data before and after component failover

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cagle; Robert Penn	Claremont	CA		
McEvoy; Patrick J.	Palo Alto	CA		
Sheehan; Kevin Sean	Sunnyvale	CA		

US-CL-CURRENT: 714/15; 709/203, 714/1, 714/6

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMD](#) | [Drawn D.](#)

36. Document ID: US 6847854 B2

L3: Entry 36 of 59

File: USPT

Jan 25, 2005

US-PAT-NO: 6847854

DOCUMENT-IDENTIFIER: US 6847854 B2

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

DATE-ISSUED: January 25, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Discenzo; Frederick M.	Brecksville	OH		

US-CL-CURRENT: 700/99, 700/28, 700/36, 700/90, 705/8

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)

37. Document ID: US 6829753 B2

L3: Entry 37 of 59

File: USPT

Dec 7, 2004

US-PAT-NO: 6829753

DOCUMENT-IDENTIFIER: US 6829753 B2

TITLE: Microfluidic design automation method and system

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Michael	Lake Oswego	OR		
Worthington; Gajus	Portola Valley	CA		
Harris; Gregory	Longmont	CO		
Montgomery; James	Longmont	CO		

US-CL-CURRENT: 716/5; 716/1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)

38. Document ID: US 6757568 B2

L3: Entry 38 of 59

File: USPT

Jun 29, 2004

US-PAT-NO: 6757568

DOCUMENT-IDENTIFIER: US 6757568 B2

TITLE: Automation system for merging automation components

DATE-ISSUED: June 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Birzer; Johannes	Stulln			DE
Kiesel; Martin	Poxdorf			DE
Trummer; Georg	Erlangen			DE
Wagner; Peter	Hersbruck			DE

US-CL-CURRENT: 700/18; 700/19, 700/20, 700/56, 700/61, 700/96

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D.](#)

39. Document ID: US 6732010 B1

L3: Entry 39 of 59

File: USPT

May 4, 2004

US-PAT-NO: 6732010

DOCUMENT-IDENTIFIER: US 6732010 B1

TITLE: Method, system, and product for associating subcomponents with a particular storage library

DATE-ISSUED: May 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ochs; Steven	Louisville	CO		
Borrego; Antonio	Superior	CO		
Wait; Don	Superior	CO		

US-CL-CURRENT: 700/214; 700/215[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

 40. Document ID: US 6578495 B1

L3: Entry 40 of 59

File: USPT

Jun 17, 2003

US-PAT-NO: 6578495

DOCUMENT-IDENTIFIER: US 6578495 B1

TITLE: Modular linear motor tracks and methods of fabricating same

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yitts; Anthony A.	Grafton	MA		
Taylor; Alastair D.	Ayer	MA		

US-CL-CURRENT: 104/292; 310/12[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

 41. Document ID: US 6559860 B1

L3: Entry 41 of 59

File: USPT

May 6, 2003

US-PAT-NO: 6559860

DOCUMENT-IDENTIFIER: US 6559860 B1

TITLE: Method and apparatus for joining and manipulating graphical objects in a graphical user interface

DATE-ISSUED: May 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamilton; Jeffrey L.	Cedarburg	WI		
Schlussman; Bret D.	New York	NY		

US-CL-CURRENT: 715/700; 345/619, 345/649, 715/848, 715/964

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMIC](#) | [Drawn D](#)

42. Document ID: US 6505084 B2

L3: Entry 42 of 59

File: USPT

Jan 7, 2003

US-PAT-NO: 6505084

DOCUMENT-IDENTIFIER: US 6505084 B2

TITLE: Programmable controller which operates by means of data management using network computers and method for operating a programmable controller

DATE-ISSUED: January 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Blumenstock; Werner	Weisendorf			DE

US-CL-CURRENT: 700/21; 700/177, 709/221, 714/5, 717/171

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMIC](#) | [Drawn D](#)

43. Document ID: US 6434712 B1

L3: Entry 43 of 59

File: USPT

Aug 13, 2002

US-PAT-NO: 6434712

DOCUMENT-IDENTIFIER: US 6434712 B1

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for fault tolerant execution of computer programs

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Urban; Gerhard	Bremen			DE
Fischer; Heinrich	Bremen			DE

US-CL-CURRENT: 714/12; 714/10, 714/11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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44. Document ID: US 6366293 B1

L3: Entry 44 of 59

File: USPT

Apr 2, 2002

US-PAT-NO: 6366293

DOCUMENT-IDENTIFIER: US 6366293 B1

TITLE: Method and apparatus for manipulating and displaying graphical objects in a computer display device

DATE-ISSUED: April 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamilton; Jeffrey L.	Cedarburg	WI		
Schlussman; Bret D.	New York	NY		

US-CL-CURRENT: 345/649; 345/420, 345/650, 345/652, 700/263, 703/7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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45. Document ID: US 6362839 B1

L3: Entry 45 of 59

File: USPT

Mar 26, 2002

US-PAT-NO: 6362839

DOCUMENT-IDENTIFIER: US 6362839 B1

TITLE: Method and apparatus for displaying mechanical emulation with graphical objects in an object oriented computing environment

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hamilton; Jeffrey L.	Cedarburg	WI		
Schlussman; Bret D.	New York	NY		

US-CL-CURRENT: 715/764; 345/418, 715/700, 715/769

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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46. Document ID: US 6198906 B1

L3: Entry 46 of 59

File: USPT

Mar 6, 2001

US-PAT-NO: 6198906

DOCUMENT-IDENTIFIER: US 6198906 B1

TITLE: Method and apparatus for performing broadcast operations

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boetje; Gerard J.	San Ramon	CA		
Collier; David C.	Gilroy	CA		

US-CL-CURRENT: 455/3.01; 348/722, 705/7

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

47. Document ID: US 6091407 A

L3: Entry 47 of 59

File: USPT

Jul 18, 2000

US-PAT-NO: 6091407

DOCUMENT-IDENTIFIER: US 6091407 A

TITLE: Method and apparatus for manifesting representations of scheduled elements in a broadcast environment

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boetje; Gerard J.	San Ramon	CA		
Collier; David C.	Gilroy	CA		

US-CL-CURRENT: 715/721; 348/722, 715/771

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

48. Document ID: US 6067525 A

L3: Entry 48 of 59

File: USPT

May 23, 2000

US-PAT-NO: 6067525

DOCUMENT-IDENTIFIER: US 6067525 A

TITLE: Integrated computerized sales force automation system

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johnson; Jerome Dale	North Mankato	MN		

Lundberg; David Robert
Krebsbach; Michael Paul

Mankato
Aerdenhout

MN

NL

US-CL-CURRENT: 705/10

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D.](#)

49. Document ID: US 6049332 A

L3: Entry 49 of 59

File: USPT

Apr 11, 2000

US-PAT-NO: 6049332

DOCUMENT-IDENTIFIER: US 6049332 A

TITLE: Method and apparatus for the scheduling and ordering of elements in a multimedia environment

DATE-ISSUED: April 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boetje; Gerard J.	San Ramon	CA		
Collier; David C.	Gilroy	CA		

US-CL-CURRENT: 715/721; 345/6, 715/855

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D.](#)

50. Document ID: US 5671385 A

L3: Entry 50 of 59

File: USPT

Sep 23, 1997

US-PAT-NO: 5671385

DOCUMENT-IDENTIFIER: US 5671385 A

** See image for Certificate of Correction **

TITLE: Memory subsystem with disk meshing, controller meshing, and efficient cache buffer lookup

DATE-ISSUED: September 23, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jost; Larry T.	St. Louis	MO		

US-CL-CURRENT: 711/4; 711/114, 711/202

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D.](#)

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Terms	Documents
L1 and components and (sub-components or subcomponents or sub adj components)	59

Display Format: -

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51. Document ID: US 5272805 A

Using default format because multiple data bases are involved.

L3: Entry 51 of 59

File: USPT

Dec 28, 1993

US-PAT-NO: 5272805

DOCUMENT-IDENTIFIER: US 5272805 A

TITLE: System for the flexible assembly of assemblies

DATE-ISSUED: December 28, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Akeel; Hadi A.	Rochester Hills	MI		
Hautau; Lane A.	Utica	MI		

US-CL-CURRENT: [29/712](#); [29/771](#), [29/791](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn D
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52. Document ID: US 5239739 A

L3: Entry 52 of 59

File: USPT

Aug 31, 1993

US-PAT-NO: 5239739

DOCUMENT-IDENTIFIER: US 5239739 A

TITLE: Method for the flexible assembly of assemblies

DATE-ISSUED: August 31, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Akeel; Hadi A.	Rochester Hills	MI		
Hautau; Lane A.	Utica	MI		

US-CL-CURRENT: [29/430](#); [29/466](#), [29/469](#), [29/712](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn D
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53. Document ID: US 5237826 A

L3: Entry 53 of 59

File: USPT

Aug 24, 1993

US-PAT-NO: 5237826

DOCUMENT-IDENTIFIER: US 5237826 A

TITLE: Configuration wiring harness for HVAC controller

DATE-ISSUED: August 24, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baldwin; Joe M.	Clarksville	TN		
Bishop; Richard A.	Clarksville	TN		
Davis; James A.	Franklin	TN		
Renaud; Merle A.	Onalaska	WI		

US-CL-CURRENT: 62/77; 174/72A, 62/125, 62/298[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawn D](#)

 54. Document ID: US 4931402 A

L3: Entry 54 of 59

File: USPT

Jun 5, 1990

US-PAT-NO: 4931402

DOCUMENT-IDENTIFIER: US 4931402 A

TITLE: Photometric analysis equipment

DATE-ISSUED: June 5, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Abplanalp; Heinz	Hombrechtikon			CH

US-CL-CURRENT: 435/287.3; 356/244, 422/63[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawn D](#)

 55. Document ID: US 4576286 A

L3: Entry 55 of 59

File: USPT

Mar 18, 1986

US-PAT-NO: 4576286

DOCUMENT-IDENTIFIER: US 4576286 A

TITLE: Parts sorting systems

DATE-ISSUED: March 18, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Buckley; Bruce S.	San Jose	CA		
Buckley; Edward M.	Milpitas	CA		
Reichwein; Roy H.	San Jose	CA		

US-CL-CURRENT: 209/558; 209/571, 209/576, 209/590, 367/87, 367/902, 367/96

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

56. Document ID: US 4497031 A

L3: Entry 56 of 59

File: USPT

Jan 29, 1985

US-PAT-NO: 4497031

DOCUMENT-IDENTIFIER: US 4497031 A

TITLE: Direct digital control apparatus for automated monitoring and control of building systems

DATE-ISSUED: January 29, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Froehling; Paul H.	Franklin	WI		
Anders; Jude R.	Glendale	WI		
Strojny; Lawrence J.	Muskego	WI		
Rehberger; James M.	Caledonia	WI		

US-CL-CURRENT: 700/276; 165/212, 165/249

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

57. Document ID: WO 2004114119 A2, US 20040260557 A1

L3: Entry 57 of 59

File: DWPI

Dec 29, 2004

DERWENT-ACC-NO: 2005-089184

DERWENT-WEEK: 200510

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TITLE: Voice output system for automation system in factory, has speaker which receives output signal including audible information related to sub-component from programmable logic controller, to output audible speech output

INVENTOR: MORSE, C P

PRIORITY-DATA: 2003US-0465101 (June 19, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 2004114119 A2</u>	December 29, 2004	E	000	G06F003/16
<u>US 20040260557 A1</u>	December 23, 2004		007	G10L021/00

INT-CL (IPC): G06 F 3/16; G10 L 21/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Drawn D

 58. Document ID: WO 2004114281 A1, US 20040260538 A1

L3: Entry 58 of 59

File: DWPI

Dec 29, 2004

DERWENT-ACC-NO: 2005-089175

DERWENT-WEEK: 200510

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TITLE: Hands free voice input providing system for sub-components in automation system in factory, uses programmable logic controller for converting received converting electrical vocal signal to input for operating sub-component

INVENTOR: MORSE, C P

PRIORITY-DATA: 2003US-0465106 (June 19, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 2004114281 A1</u>	December 29, 2004	E	000	G10L015/22
<u>US 20040260538 A1</u>	December 23, 2004		008	G10L019/00

INT-CL (IPC): G10 L 15/22; G10 L 19/00

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Drawn D

 59. Document ID: DE 19910537 A1, EP 1196844 A2, WO 200054147 A2

L3: Entry 59 of 59

File: DWPI

Sep 14, 2000

DERWENT-ACC-NO: 2000-566280

DERWENT-WEEK: 200233

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Automation system - comprises directory entries for storing object names of automation objects, including reference to object, description of its technical functionality, and description of its interfaces

INVENTOR: BECKER, N; BIEHLER, G ; DIEZEL, M ; DONNER, A ; ECKARDT, D ; HERBERTH, H ; KRAEMER, M ; LANGE, R ; LANGKAFEL, D ; LEINS, R ; MOELLER-NEHRING, W ; SCHMOLL, J ; SCHNEIDER, K ; WELZ, U ; WINDL, H

PRIORITY-DATA: 1999DE-1010537 (March 9, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>DE 19910537 A1</u>	September 14, 2000		005	G05B019/04
<u>EP 1196844 A2</u>	April 17, 2002	G	000	G06F009/44
<u>WO 200054147 A2</u>	September 14, 2000	G	000	G06F009/44

INT-CL (IPC) : G05 B 15/02; G05 B 19/04; G06 F 9/44; G06 F 9/46; G06 F 17/50; G06 F 17/60

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D.](#)

Terms	Documents
L1 and components and (sub-components or subcomponents or sub adj components)	59

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Search Results -

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L1 and "software model" and "virtual components"	1

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 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

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<u>L3</u> L1 and components and (sub-components or subcomponents or sub adj components)	59	<u>L3</u>
<u>L2</u> L1 and monitoring and components and (sub-components or subcomponents or sub adj components)	41	<u>L2</u>
<u>L1</u> "automation system"	5030	<u>L1</u>

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1. Document ID: US 20020059050 A1

Using default format because multiple data bases are involved.

L4 : Entry 1 of 1

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059050

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059050 A1

TITLE: System having a model-based user interface for operating and monitoring a device and a method therefor

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hamadou, Mehdi	Erlangen		DE	
Hoffmann, Werner	Herzogenaurach		DE	
Meixner, Josef	Erlangen		DE	

US-CL-CURRENT: 703/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D
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Terms	Documents
L1 and "software model" and "virtual components"	1

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- 4) Click Search. See [Search Examples](#)

"automation system"

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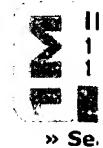


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'automation system'

Check to search within this result set

Results Key:

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1 Development of mobile robot system adaptive to sharp fluctuation of production volume

Hibi, H.;

Assembly and Task Planning, 2001, Proceedings of the IEEE International Symposium on , 28-29 May 2001

Pages:61 - 66

[Abstract] [\[PDF Full-Text \(324 KB\)\]](#) **IEEE CNF**

2 A case study for modelling and design of distributed automation systems

Ferrarini, L.; Veber, C.; Lorentz, K.;

Advanced Intelligent Mechatronics, 2003. AIM 2003. Proceedings. 2003 IEEE/International Conference on , Volume: 2 , 20-24 July 2003

Pages:1043 - 1048 vol.2

[Abstract] [\[PDF Full-Text \(730 KB\)\]](#) **IEEE CNF**

3 The development of an intelligent and integrated gateway system for automation systems in power utilities

Kim, M.S.; Hyun, D.H.;

Transmission and Distribution Conference and Exhibition 2002: Asia Pacific.

IEEE/PES , Volume: 1 , 6-10 Oct. 2002

Pages:2 - 5 vol.1

[Abstract] [\[PDF Full-Text \(460 KB\)\]](#) **IEEE CNF**

4 A sensor-based automation system for handling nuclear materials

Drotning, W.; Kimberly, H.; Wapman, W.; Darras, D.; Homan, D.; Johnson, P. Kast, B.; Kuhlmann, J.; Lennox, R.C.; Montoya, C.;
Robotics and Automation, 1997. Proceedings., 1997 IEEE International Confer

on , Volume: 1 , 20-25 April 1997
Pages:352 - 358 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(644 KB\)\]](#) [IEEE CNF](#)

5 A structured approach to the design and simulation-based testing of factory automation systems

Carpanzano, E.; Ballarino, A.;
Industrial Electronics, 2002. ISIE 2002. Proceedings of the 2002 IEEE International Symposium on , Volume: 1 , 8-11 July 2002
Pages:181 - 186 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(579 KB\)\]](#) [IEEE CNF](#)

6 Analysis of distributed systems based on intelligent devices

Bayart, M.; Staroswiecki, M.; Simonot-Lion, F.; Thomesse, J.P.;
Factory Communication Systems, 1995. WFCS '95, Proceedings., 1995 IEEE International Workshop on , 4-6 Oct. 1995
Pages:255 - 261

[\[Abstract\]](#) [\[PDF Full-Text \(556 KB\)\]](#) [IEEE CNF](#)

7 The development of a first pass verification module for a SAW filter design automation system

McCollister, M.J.; Richie, S.M.;
Ultrasonics Symposium, 1991. Proceedings., IEEE 1991 , 8-11 Dec. 1991
Pages:133 - 136 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(308 KB\)\]](#) [IEEE CNF](#)

8 Architectural models for global automation systems

Brugali, D.; Menga, G.;
Robotics and Automation, IEEE Transactions on , Volume: 18 , Issue: 4 , Aug. 2002
Pages:487 - 493

[\[Abstract\]](#) [\[PDF Full-Text \(359 KB\)\]](#) [IEEE JNL](#)

9 Installation of Hydro-Quebec's distribution feeder automation system

Nguyen, L.-Q.; Paradis, B.;
Power Delivery, IEEE Transactions on , Volume: 3 , Issue: 4 , Oct. 1988
Pages:1935 - 1941

[\[Abstract\]](#) [\[PDF Full-Text \(792 KB\)\]](#) [IEEE JNL](#)

10 Measurements in switched Ethernet networks used for automation systems

Vonnahme, E.; Ruping, S.; Ruckert, U.;
Factory Communication Systems, 2000. Proceedings. 2000 IEEE International Workshop on , 6-8 Sept. 2000
Pages:231 - 238

[\[Abstract\]](#) [\[PDF Full-Text \(644 KB\)\]](#) [IEEE CNF](#)

11 A distributed simulator for large networks used in building automation systems

Hunstock, R.; Ruping, S.; Ruckert, U.;

Factory Communication Systems, 2000. Proceedings. 2000 IEEE International Workshop on , 6-8 Sept. 2000

Pages:203 - 210

[\[Abstract\]](#) [\[PDF Full-Text \(728 KB\)\]](#) [IEEE CNF](#)

12 Performance evaluation of automation systems for the real time control of blowing machines

Vitturi, S.;

Emerging Technologies and Factory Automation, 2003. Proceedings. ETFA '03. Conference , Volume: 2 , 16-19 Sept. 2003

Pages:732 - 738 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(515 KB\)\]](#) [IEEE CNF](#)

13 The concept of distribution automation system in the Kansai Electric Power Co

Matsumoto, Y.; Oohashi, T.; Matsuura, Y.;

Power Engineering Society 1999 Winter Meeting, IEEE , Volume: 2 , 31 Jan-4 1999

Pages:850 - 853 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(220 KB\)\]](#) [IEEE CNF](#)

14 Progressive automation system for semiconductor manufacturing

Iwata, Y.; Shimoyashiro, S.; Masui, T.;

Semiconductor Manufacturing, 1995., IEEE/UCS/SEMI International Symposium , 17-19 Sept. 1995

Pages:127 - 130

[\[Abstract\]](#) [\[PDF Full-Text \(236 KB\)\]](#) [IEEE CNF](#)

15 Fuzzy logic approach in a distributed plant automation system with intelligent front end controllers

Chandra, H.;

Industrial Automation and Control, 1995 (I A & C'95), IEEE/IAS International Conference on (Cat. No.95TH8005) , 5-7 Jan. 1995

Pages:115 - 120

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) [IEEE CNF](#)

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"software model" and "virtual components"	3

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<u>L5</u>	L1 and "software model" and "virtual system"	0	<u>L5</u>
<u>L4</u>	L1 and "software model" and "virtual components"	1	<u>L4</u>
<u>L3</u>	L1 and components and (sub-components or subcomponents or sub adj components)	59	<u>L3</u>
<u>L2</u>	L1 and monitoring and components and (sub-components or subcomponents or sub adj components)	41	<u>L2</u>
<u>L1</u>	"automation system"	5030	<u>L1</u>

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"software model" and "virtual system"	13

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<u>L7</u>	"software model" and "virtual components"		3	<u>L7</u>
<u>L6</u>	L1 and "software model"		8	<u>L6</u>
<u>L5</u>	L1 and "software model" and "virtual system"		0	<u>L5</u>
<u>L4</u>	L1 and "software model" and "virtual components"		1	<u>L4</u>
<u>L3</u>	L1 and components and (sub-components or subcomponents or sub adj components)		59	<u>L3</u>
<u>L2</u>	L1 and monitoring and components and (sub-components or subcomponents or sub adj components)		41	<u>L2</u>
<u>L1</u>	"automation system"		5030	<u>L1</u>

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<u>L9</u>	automat\$6 and softwware and model and virtual		0	<u>L9</u>
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<u>L7</u>	"software model" and "virtual components"		3	<u>L7</u>
<u>L6</u>	L1 and "software model"		8	<u>L6</u>
<u>L5</u>	L1 and "software model" and "virtual system"		0	<u>L5</u>
<u>L4</u>	L1 and "software model" and "virtual components"		1	<u>L4</u>
<u>L3</u>	L1 and components and (sub-components or subcomponents or sub adj components)		59	<u>L3</u>
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L2 subcomponents or sub adj components)
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41 L2
5030 L1

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1. Document ID: US 20040128120 A1

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File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040128120

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040128120 A1

TITLE: Simulation method and apparatus for use in enterprise controls

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Coburn, James D.	Cleveland Heights	OH	US	
Hoskins, Josiah C.	Austin	TX	US	
Brooks, Ruven E.	Shorewood	WI	US	

US-CL-CURRENT: 703/26

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2. Document ID: US 20040073404 A1

L13: Entry 2 of 9

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040073404

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040073404 A1

TITLE: Mechanical-electrical template based method and apparatus

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brooks, Ruven E.	Shorewood	WI	US	
Grooms, David W.	Delafield	WI	US	

US-CL-CURRENT: 702/183

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D.
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3. Document ID: US 20030182083 A1

L13: Entry 3 of 9

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030182083

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030182083 A1

TITLE: Diagnostics method and apparatus for use with enterprise controls

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Schwenke, Marvin J.	Clinton Township	MI	US	
Sinclair, J. Andrew	Cleveland Heights	OH	US	
Hoskins, Josiah C.	Austin	TX	US	
Brooks, Ruven E.	Shorewood	WI	US	

US-CL-CURRENT: 702/183

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D.
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4. Document ID: US 20020120921 A1

L13: Entry 4 of 9

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020120921

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020120921 A1

TITLE: SIMULATION METHOD AND APPARATUS FOR USE IN ENTERPRISE CONTROLS

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
COBURN, JAMES D.	CLEVELAND HEIGHTS	OH	US	
HOSKINS, JOSIAH	AUSTIN	TX	US	
BROOKS, RUVEN E.	SHOREWOOD	WI	US	

US-CL-CURRENT: 717/140; 703/21, 717/106

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D.
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5. Document ID: US 20020078138 A1

L13: Entry 5 of 9

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020078138
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020078138 A1

TITLE: Control system architecture for a multi-component armament system

PUBLICATION-DATE: June 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Huang, Paul C.	Circle Pines	MN	US	
Khan, Omar A.	Minneapolis	MN	US	
Sleider, Albert JR.	Eagan	MN	US	

US-CL-CURRENT: 709/203

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6. Document ID: US 6618856 B2

L13: Entry 6 of 9

File: USPT

Sep 9, 2003

US-PAT-NO: 6618856

DOCUMENT-IDENTIFIER: US 6618856 B2

TITLE: Simulation method and apparatus for use in enterprise controls

DATE-ISSUED: September 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coburn; James D.	Cleveland Heights	OH		
Hoskins; Josiah C.	Austin	TX		
Brooks; Ruven E.	Shorewood	WI		

US-CL-CURRENT: 717/135; 700/86, 703/15, 703/22

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7. Document ID: US 6556950 B1

L13: Entry 7 of 9

File: USPT

Apr 29, 2003

US-PAT-NO: 6556950

DOCUMENT-IDENTIFIER: US 6556950 B1

TITLE: Diagnostic method and apparatus for use with enterprise control

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schwenke; Marvin J.	Clinton Township	MI		
Sinclair; J. Andrew	Cleveland Heights	OH		
Hoskins; Josiah C.	Austin	TX		
Brooks; Ruven E.	Shorewood	WI		

US-CL-CURRENT: 702/183; 700/83, 700/86, 705/8, 706/52, 707/103R

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8. Document ID: US 6446055 B1

L13: Entry 8 of 9

File: USPT

Sep 3, 2002

US-PAT-NO: 6446055

DOCUMENT-IDENTIFIER: US 6446055 B1

TITLE: Process control

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grand; Stephen L.	Wells, Somerset BA5 1AQ			GB

US-CL-CURRENT: 706/10; 706/21, 706/47

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9. Document ID: US 6268853 B1

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File: USPT

Jul 31, 2001

US-PAT-NO: 6268853

DOCUMENT-IDENTIFIER: US 6268853 B1

TITLE: Data structure for use in enterprise controls

DATE-ISSUED: July 31, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoskins; Josiah C.	Austin	TX		
Brooks; Ruven E.	Shorewood	WI		

US-CL-CURRENT: 700/83; 715/764, 715/965

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File: USPT

Aug 1, 1995

US-PAT-NO: 5438673

DOCUMENT-IDENTIFIER: US 5438673 A

** See image for Certificate of Correction **

TITLE: Automatic interface for CPU real machine and logic simulator diagnostics

DATE-ISSUED: August 1, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Court; Thomas L.	Eau Claire	WI		
Hsu; Lawrence T.	Eau Claire	WI		
Rivers; Alan	Eau Claire	WI		

US-CL-CURRENT: 703/22; 714/38, 714/724

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File: DWPI

Aug 1, 1995

DERWENT-ACC-NO: 1995-275167

DERWENT-WEEK: 199536

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TITLE: Software simulation method for CPU design testing - involves identifying real machine and simulator functions and executing them accordingly in co-ordinated manner giving system diagnostic checkout

INVENTOR: COURT, T L; HSU, L T ; RIVERS, A

PRIORITY-DATA: 1990US-0569068 (August 17, 1990), 1993US-0113724 (August 27, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 5438673 A</u>	August 1, 1995		007	G06F009/455

INT-CL (IPC): G06 F 9/455

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Database: US Pre-Grant Publication Full-Text Database
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Search History

DATE: Sunday, February 27, 2005 [Printable Copy](#) [Create Case](#)

Set

Name **Query**

side by
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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR

L22 L21 and automat\$6 and software near model and virtual

5 L22

L21 703/13.ccls.

686 L21

L20 09/771,631

1 L20

L19 5438673.pn.

2 L19

DB=USPT; PLUR=NO; OP=OR

L18 5438673.pn.

1 L18

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR

L17 "Automatic Interface For CPU Real Machine and Logic Simulator
Diagnostics"

0 L17

L16 L15 and automa\$8

0 L16

L15 5,483,673.pn.

2 L15

L14 L8 and virtual

13 L14

L13 automat\$6 near system and software near model and virtual near system

9 L13

<u>L12</u>	automat\$6 near system and software near model and virtual	87	<u>L12</u>
<u>L11</u>	automat\$6 and software near model and virtual	463	<u>L11</u>
<u>L10</u>	automat\$6 and software and model and virtual	20285	<u>L10</u>
<u>L9</u>	automat\$6 and softwware and model and virtual	0	<u>L9</u>
<u>L8</u>	"software model" and "virtual system"	13	<u>L8</u>
<u>L7</u>	"software model" and "virtual components"	3	<u>L7</u>
<u>L6</u>	L1 and "software model"	8	<u>L6</u>
<u>L5</u>	L1 and "software model" and "virtual system"	0	<u>L5</u>
<u>L4</u>	L1 and "software model" and "virtual components"	1	<u>L4</u>
<u>L3</u>	L1 and components and (sub-components or subcomponents or sub adj components)	59	<u>L3</u>
<u>L2</u>	L1 and monitoring and components and (sub-components or subcomponents or sub adj components)	41	<u>L2</u>
<u>L1</u>	"automation system"	5030	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20030191615 A1

Using default format because multiple data bases are involved.

L22: Entry 1 of 5

File: PGPB

Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030191615

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030191615 A1

TITLE: Synchronization of multiple simulation domains in an EDA simulation environment

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bailey, Brian	Oregon City	OR	US	
Kehoe, Devon J.	Tualatin	OR	US	
Jones, Jeffry A.	West Linn	OR	US	

US-CL-CURRENT: 703/13

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [RQMC](#) | [Drawn D](#)

2. Document ID: US 20020059050 A1

L22: Entry 2 of 5

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059050

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059050 A1

TITLE: System having a model-based user interface for operating and monitoring a device and a method therefor

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hamadou, Mehdi	Erlangen		DE	
Hoffmann, Werner	Herzogenaurach		DE	
Meixner, Josef	Erlangen		DE	

US-CL-CURRENT: 703/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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 3. Document ID: US 6584436 B2

L22: Entry 3 of 5

File: USPT

Jun 24, 2003

US-PAT-NO: 6584436

DOCUMENT-IDENTIFIER: US 6584436 B2

**** See image for Certificate of Correction ****

TITLE: Hardware and software co-simulation including executing an analyzed user program

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hellestrand; Graham R.	Foster City	CA		
Chan; Ricky L. K.	East Lindfield			AU
Kam; Ming Chi	Kingsford			AU
Torossian; James R.	Whale Beach			AU

US-CL-CURRENT: 703/13; 703/14, 703/17, 703/21, 703/22, 703/27, 703/28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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 4. Document ID: US 6230114 B1

L22: Entry 4 of 5

File: USPT

May 8, 2001

US-PAT-NO: 6230114

DOCUMENT-IDENTIFIER: US 6230114 B1

TITLE: Hardware and software co-simulation including executing an analyzed user program

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hellestrand; Graham R.	Foster City	CA		
Chan; Ricky L. K.	East Lindfield			AU
Kam; Ming Chi	Kingsford			AU
Torossian; James R.	Whale Beach			AU

US-CL-CURRENT: 703/13; 703/16, 703/17, 703/23, 714/28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D.
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 5. Document ID: US 5991529 A

L22: Entry 5 of 5

File: USPT

Nov 23, 1999

US-PAT-NO: 5991529

DOCUMENT-IDENTIFIER: US 5991529 A

TITLE: Testing of hardware by using a hardware system environment that mimics a
virtual system environment

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cox; Steven R.	San Jose	CA		
Chue; Harry M.	Alameda	CA		

US-CL-CURRENT: 703/9; 703/13, 703/14[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KOMC](#) [Drawn D](#)[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

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Refine Search

Search Results -

Terms	Documents
L23 and automat\$6 and software near model and virtual	1

Database: US Pre-Grant Publication Full-Text Database
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<input type="text" value="L24"/>	<input checked="" type="checkbox"/> Refine Search
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Search History

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side by side				result set
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<u>L24</u>	L23 and automat\$6 and software near model and virtual		1	<u>L24</u>
<u>L23</u>	703/9.cccls.		188	<u>L23</u>
<u>L22</u>	L21 and automat\$6 and software near model and virtual		5	<u>L22</u>
<u>L21</u>	703/13.cccls.		686	<u>L21</u>
<u>L20</u>	09/771,631		1	<u>L20</u>
<u>L19</u>	5438673.pn.		2	<u>L19</u>
<i>DB=USPT; PLUR=NO; OP=OR</i>				
<u>L18</u>	5438673.pn.		1	<u>L18</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>				
<u>L17</u>	"Automatic Interface For CPU Real Machine and Logic Simulator Diagnostics"		0	<u>L17</u>
<u>L16</u>	L15 and automa\$8		0	<u>L16</u>
<u>L15</u>	5,483,673.pn.		2	<u>L15</u>

<u>L14</u>	L8 and virtual	13	<u>L14</u>
<u>L13</u>	automat\$6 near system and software near model and virtual near system	9	<u>L13</u>
<u>L12</u>	automat\$6 near system and software near model and virtual	87	<u>L12</u>
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<u>L10</u>	automat\$6 and software and model and virtual	20285	<u>L10</u>
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<u>L6</u>	L1 and "software model"	8	<u>L6</u>
<u>L5</u>	L1 and "software model" and "virtual system"	0	<u>L5</u>
<u>L4</u>	L1 and "software model" and "virtual components"	1	<u>L4</u>
<u>L3</u>	L1 and components and (sub-components or subcomponents or sub adj components)	59	<u>L3</u>
<u>L2</u>	L1 and monitoring and components and (sub-components or subcomponents or sub adj components)	41	<u>L2</u>
<u>L1</u>	"automation system"	5030	<u>L1</u>

END OF SEARCH HISTORY

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Generate OACS				

Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 5991529 A

Using default format because multiple data bases are involved.

L24: Entry 1 of 1

File: USPT

Nov 23, 1999

US-PAT-NO: 5991529

DOCUMENT-IDENTIFIER: US 5991529 A

TITLE: Testing of hardware by using a hardware system environment that mimics a
virtual system environment

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cox; Steven R.	San Jose	CA		
Chue; Harry M.	Alameda	CA		

US-CL-CURRENT: 703/9; 703/13, 703/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	SerNumbers	Attachments	Claims	KMPC	Draw D
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Terms	Documents
L23 and automat\$6 and software near model and virtual	1

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